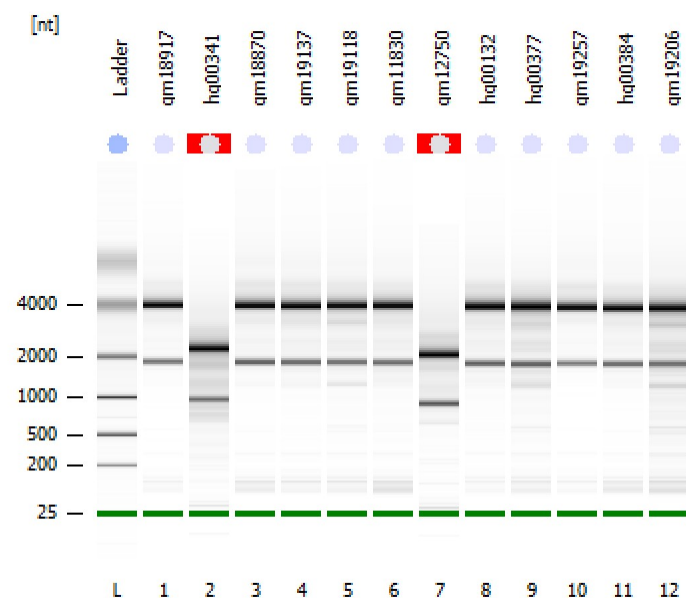


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_15-00-34.xad

Created: 10/24/2011 3:00:34 PM
Modified: 10/24/2011 3:24:39 PM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: DE04105537
Serial#: DE04105537

Firmware: C.01.069
Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

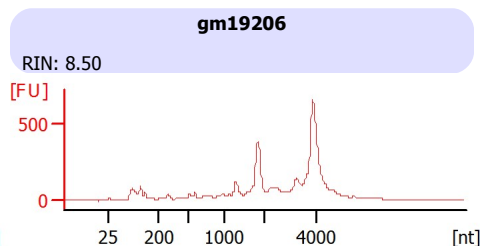
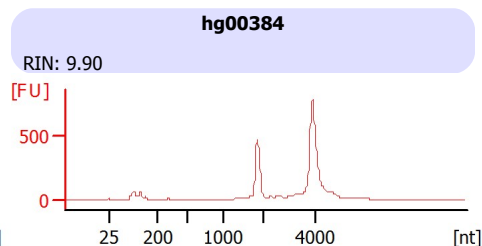
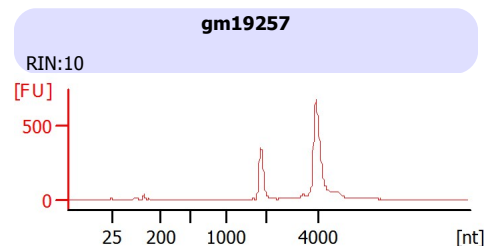
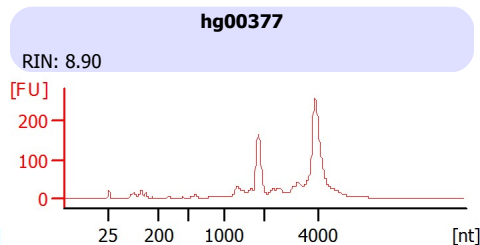
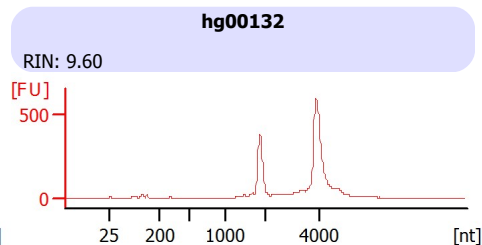
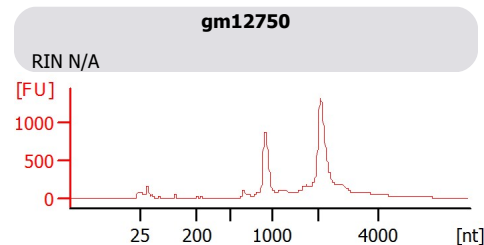
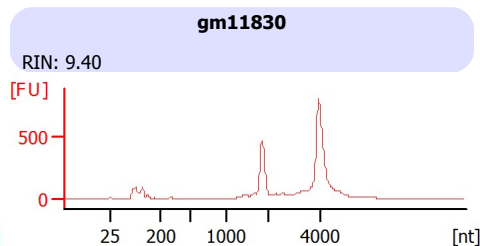
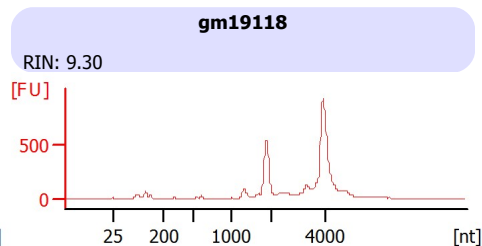
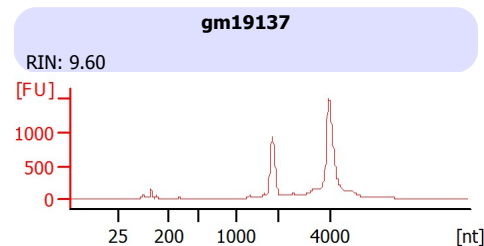
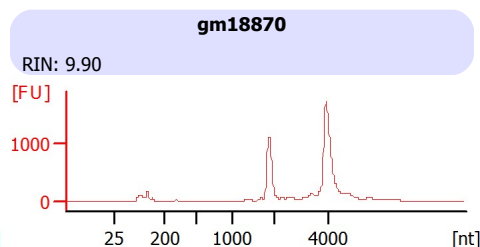
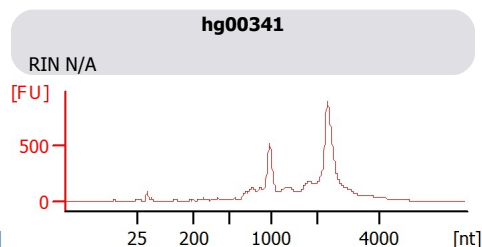
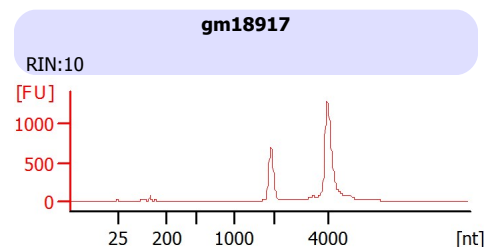
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_15-00-34.xad

Created: 10/24/2011 3:00:34 PM
Modified: 10/24/2011 3:24:39 PM

Electrophoresis File Run Summary (Chip Summary)

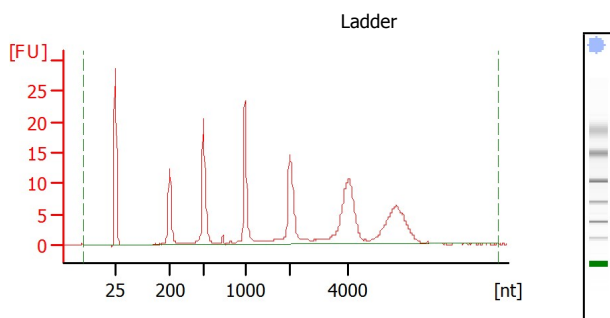
Sample Name	Sample Comment	Stat Result Label	Result Color
		us	
gm18917		✓ RIN:10	
hg00341		✓ RIN N/A	
gm18870		✓ RIN: 9.90	
gm19137		✓ RIN: 9.60	
gm19118		✓ RIN: 9.30	
gm11830		✓ RIN: 9.40	
gm12750		✓ RIN N/A	
hg00132		✓ RIN: 9.60	
hg00377		✓ RIN: 8.90	
gm19257		✓ RIN:10	
hg00384		✓ RIN: 9.90	
gm19206		✓ RIN: 8.50	
Ladder		✓ All Other Samples	

Chip Lot #**Reagent Kit Lot #****Chip Comments :**

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_15-00-34.xad

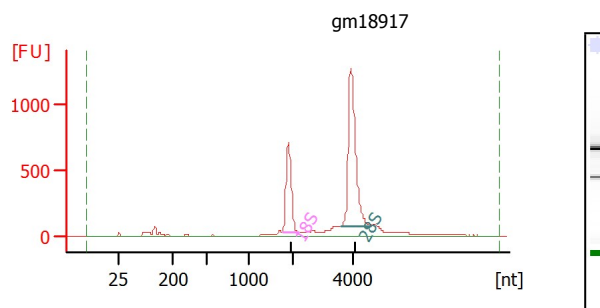
Created: 10/24/2011 3:00:34 PM
 Modified: 10/24/2011 3:24:39 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 187.6
 RNA Concentration: 150 ng/μl
 Result Flagging Color:
 Result Flagging Label: All Other Samples

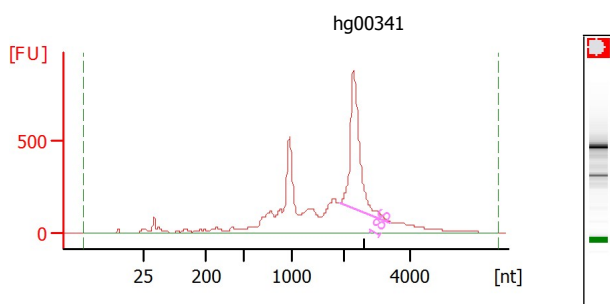


Overall Results for sample 1 : gm18917

RNA Area: 5,480.0
 RNA Concentration: 4,381 ng/μl
 rRNA Ratio [28s / 18s]: 2.1
 RNA Integrity Number (RIN): 10 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN:10

Fragment table for sample 1 : gm18917

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,750	2,202	1,122.4	20.5
28S	3,596	4,634	2,325.5	42.4

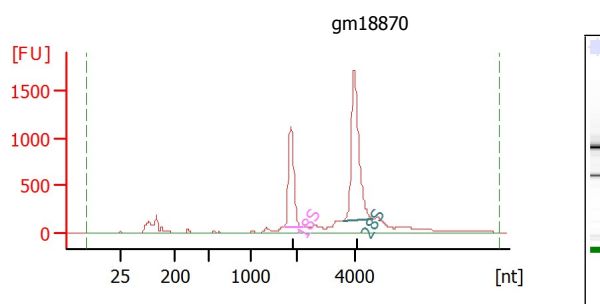


Overall Results for sample 2 : hg00341

RNA Area: 7,298.7
 RNA Concentration: 5,835 ng/μl
 rRNA Ratio [28s / 18s]: 0.0
 RNA Integrity Number (RIN): N/A (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN N/A

Fragment table for sample 2 : hg00341

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,928	3,388	1,869.1	25.6



Overall Results for sample 3 : gm18870

RNA Area: 9,192.7
 RNA Concentration: 7,349 ng/μl
 rRNA Ratio [28s / 18s]: 1.8
 RNA Integrity Number (RIN): 9.9 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.90

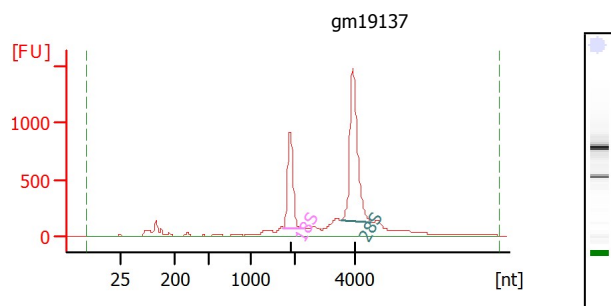
Fragment table for sample 3 : gm18870

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,729	2,178	1,807.6	19.7
28S	3,588	4,604	3,208.6	34.9

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_15-00-34.xad

Created: 10/24/2011 3:00:34 PM
 Modified: 10/24/2011 3:24:39 PM

Electropherogram Summary Continued ...

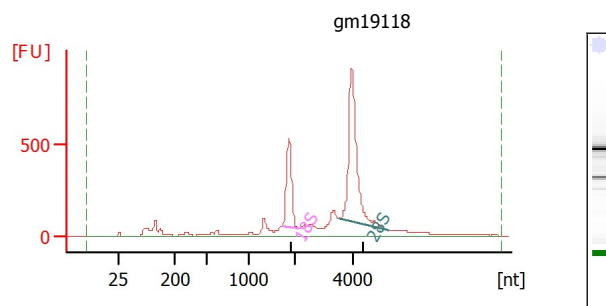


Overall Results for sample 4 : gm19137

RNA Area: 8,197.4
 RNA Concentration: 6,554 ng/μl
 rRNA Ratio [28s / 18s]: 1.9
 RNA Integrity Number (RIN): 9.6 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.60

Fragment table for sample 4 : gm19137

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,727	2,163	1,440.5	17.6
28S	3,534	4,565	2,716.7	33.1

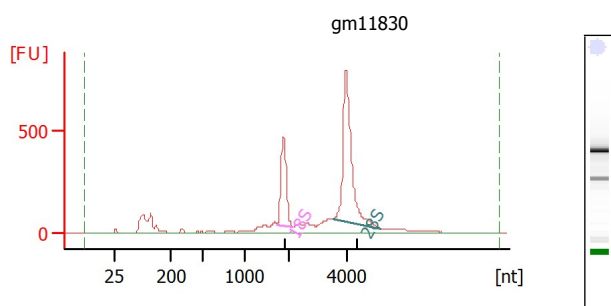


Overall Results for sample 5 : gm19118

RNA Area: 5,347.2
 RNA Concentration: 4,275 ng/μl
 rRNA Ratio [28s / 18s]: 2.2
 RNA Integrity Number (RIN): 9.3 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.30

Fragment table for sample 5 : gm19118

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,732	2,145	811.1	15.2
28S	3,539	5,175	1,805.6	33.8

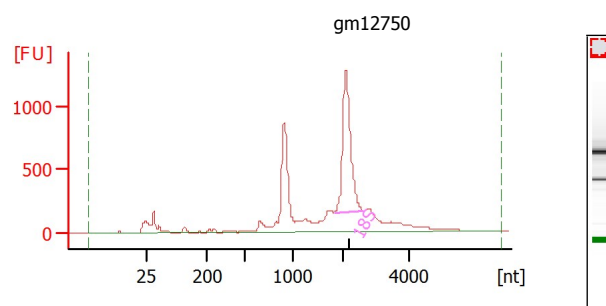


Overall Results for sample 6 : gm11830

RNA Area: 4,841.9
 RNA Concentration: 3,871 ng/μl
 rRNA Ratio [28s / 18s]: 2.3
 RNA Integrity Number (RIN): 9.4 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.40

Fragment table for sample 6 : gm11830

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,725	2,140	740.1	15.3
28S	3,517	5,167	1,673.9	34.6



Overall Results for sample 7 : gm12750

RNA Area: 8,829.6
 RNA Concentration: 7,059 ng/μl
 rRNA Ratio [28s / 18s]: 0.0
 RNA Integrity Number (RIN): N/A (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN N/A

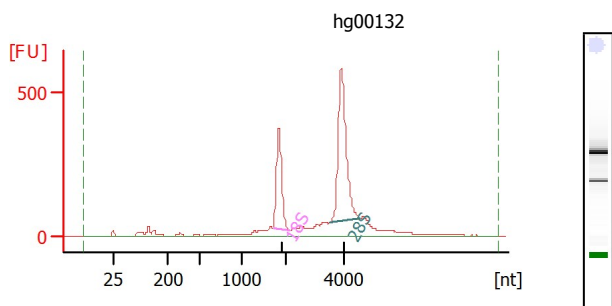
Fragment table for sample 7 : gm12750

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,840	2,613	2,411.0	27.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_15-00-34.xad

Created: 10/24/2011 3:00:34 PM
 Modified: 10/24/2011 3:24:39 PM

Electropherogram Summary Continued ...

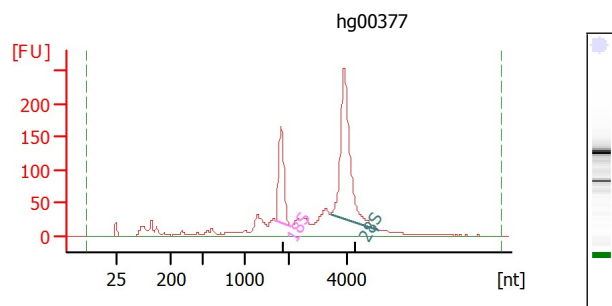


Overall Results for sample 8 : hg00132

RNA Area: 3,363.4
 RNA Concentration: 2,689 ng/μl
 rRNA Ratio [28s / 18s]: 2.0
 RNA Integrity Number (RIN): 9.6 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.60

Fragment table for sample 8 : hg00132

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,711	2,136	600.4	17.9
28S	3,494	4,519	1,177.8	35.0

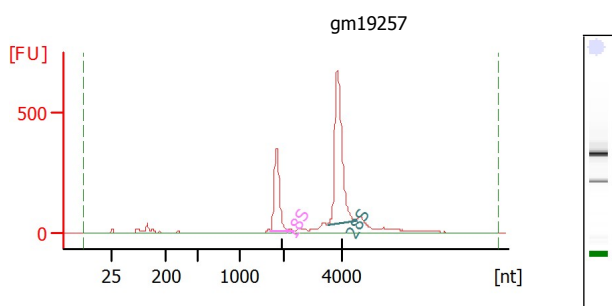


Overall Results for sample 9 : hg00377

RNA Area: 1,887.9
 RNA Concentration: 1,509 ng/μl
 rRNA Ratio [28s / 18s]: 2.3
 RNA Integrity Number (RIN): 8.9 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.90

Fragment table for sample 9 : hg00377

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,702	2,035	253.0	13.4
28S	3,421	5,068	585.1	31.0

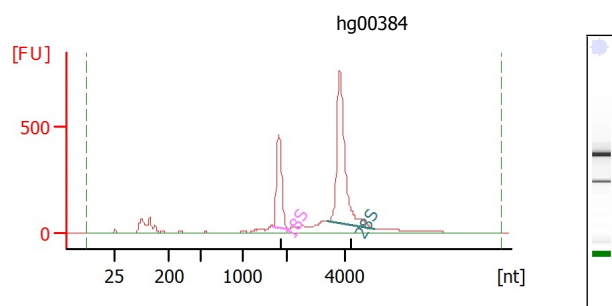


Overall Results for sample 10 : gm19257

RNA Area: 2,950.0
 RNA Concentration: 2,358 ng/μl
 rRNA Ratio [28s / 18s]: 2.2
 RNA Integrity Number (RIN): 10 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 10

Fragment table for sample 10 : gm19257

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,706	2,379	569.4	19.3
28S	3,528	4,487	1,253.1	42.5



Overall Results for sample 11 : hg00384

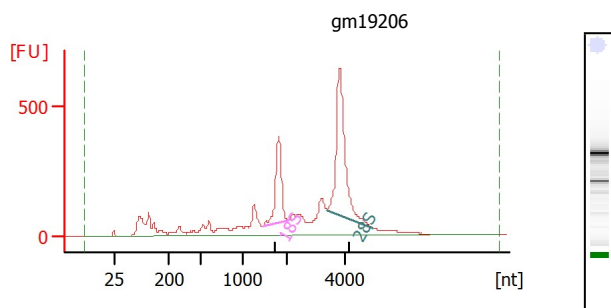
RNA Area: 4,024.4
 RNA Concentration: 3,217 ng/μl
 rRNA Ratio [28s / 18s]: 2.2
 RNA Integrity Number (RIN): 9.9 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.90

Fragment table for sample 11 : hg00384

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,697	2,074	726.6	18.1
28S	3,426	5,039	1,602.0	39.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_15-00-34.xad

Created: 10/24/2011 3:00:34 PM
Modified: 10/24/2011 3:24:39 PM

Electropherogram Summary Continued ...**Overall Results for sample 12 : gm19206**

RNA Area: 5,643.3
RNA Concentration: 4,512 ng/μl
rRNA Ratio [28s / 18s]: 2.0
RNA Integrity Number (RIN): 8.5 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 8.50

Fragment table for sample 12 : gm19206

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,473	2,077	659.3	11.7
28S	3,423	5,000	1,351.1	23.9